

2. (Amended) The cells of Claim 1 wherein said electrophoretic composition comprises charged particles dispersed in a dielectric solvent or solvent mixture.

3. (Twice Amended) The cells of Claim 1 which are driven by an electric field.

4. (Amended) The cells of Claim 1 wherein said sealing composition comprises a material selected from a group consisting of polyvalent acrylate or methacrylate, cyanoacrylates, polyvalent vinyl, polyvalent epoxide, polyvalent isocyanate, polyvalent allyl, and oligomers or polymers containing crosslinkable functional groups.

5. (Amended) The cells of Claim 4 wherein said sealing composition further comprises a polymer or oligomer.

6. (Twice Amended) The cells of Claim 5 wherein said polymer or oligomer is soluble or dispersible in said composition.

7. (Amended) The cells of Claim 4 wherein said sealing composition further comprises an additive.

8. (Twice Amended) An electrophoretic display comprising:

a) one top electrode plate and one bottom electrode plate, at least one of which is transparent; and

b) a plurality of cells enclosed between the two electrodes, each of said cells comprises:

- (i) surrounding partition walls,
- (ii) an electrophoretic composition filled therein, and
- (iii) a polymeric sealing layer which is formed from a sealing composition having a specific gravity lower than that of said electrophoretic composition and sealingly adheres to the surface of the partition walls to enclose said electrophoretic composition within each cell.

B1
End

¹⁴
~~9~~. (Amended) The display of Claim ¹⁵~~8~~ in which both said top electrode plate and sealing layer are transparent.

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~~10~~. (Twice Amended) The display of Claim ¹⁴~~8~~ wherein said top electrode plate is adhered to the sealing layer.

B2

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~~12~~. (Twice Amended) The display of Claim ¹⁵~~8~~ wherein said sealing composition comprises a material selected from a group consisting of polyvalent acrylate or methacrylate, cyanoacrylates, polyvalent vinyl, polyvalent epoxide, polyvalent isocyanate, polyvalent allyl, and oligomers or polymers containing crosslinkable functional groups.

B3

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~~14~~. (Amended) The display of Claim ¹⁸~~13~~ wherein said sealing and adhesive layers are formed from different materials.

²⁰
~~15~~. (Amended) The display of Claim ¹⁸~~13~~ wherein said sealing and adhesive layers are formed from the same material.

B4

²⁵
~~18~~. (Twice Amended) The display of Claim ²⁴~~17~~ wherein said top electrode plate is adhered to the sealing layer.

B5

²⁷
~~20~~. (Amended) The display of Claim ²⁴~~19~~ wherein said sealing and adhesive layers are formed from different materials.

²⁸
~~21~~. (Amended) The display of Claim ²⁴~~18~~ wherein said sealing and adhesive layers are formed from the same material.

B6

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~~32~~. (Amended) The electrophoretic display of Claim ¹⁵~~8~~ wherein said cells are substantially uniform in size and shape.

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~~33~~. (Amended) The electrophoretic display of Claim ¹⁵~~8~~ wherein said cells are of different sizes and shapes.

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~~34~~. (Amended) The electrophoretic display of Claim ¹⁵~~8~~ wherein said cells are non-spherical.

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B6
End

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~~35~~. (Amended) The electrophoretic display of Claim ¹⁵~~8~~ wherein the cells are formed from microcups with an opening having a circular, polygonal, hexagonal, rectangular or square shape.

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~~36~~. (Amended) The electrophoretic display of Claim ¹⁵~~8~~ wherein the cells have an opening area ranging from about 10^2 to about $5 \times 10^5 \mu\text{m}^2$.

B7 ³⁶
~~38~~. (Amended) The electrophoretic display of Claim ¹⁵~~8~~ wherein the cells have a depth in the range from about 3 to about 100 microns.

B8 ³⁸
~~40~~. (Amended) The electrophoretic display of Claim ¹⁵~~8~~ wherein the cells are formed from microcups have an opening to wall ratio in the range from about 0.05 to about 100.

B9 ³
~~42~~. (Amended) The cells of Claim 2 wherein said electrophoretic composition comprises charged white particles dispersed in a colored dielectric solvent or solvent mixture.

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~~43~~. (Amended) The cells of Claim ³~~42~~ wherein said dielectric solvent or solvent mixture is colored by a dye or pigment.

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~~44~~. (Amended) The cells of Claim ⁴~~43~~ wherein said dye or color pigment is uncharged or has a charge polarity different from that of the white pigment particles.

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~~45~~. (Amended) The electrophoretic display of Claim ¹⁵~~8~~ wherein said sealing composition is a UV curable composition.

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~~46~~. (Amended) The electrophoretic display of Claim ¹⁵~~8~~ wherein said sealing composition comprises a thermoplastic, thermoset, or a precursor thereof.

¹³
~~47~~. (Amended) The cells of Claim 1 wherein said sealing composition is a UV curable composition.

¹⁴
~~48~~. (Amended) The cells of Claim 1 wherein said sealing composition comprises a thermoplastic, thermoset, or a precursor thereof.

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